

**12<sup>th</sup> RISE Symposium (Research Insights in Semi-arid Ecosystems)  
Saturday, 17 October 2015**

**Marley Building, Room 230**

8:30-9:00	<b>Registration</b>	
9:00-9:15	<b>Mitch McClaran Susan Moran UA SNRE, USDA ARS SWRC</b>	<b>RISE Welcome</b>
9:15-9:25	<b>Abe Karam NEON</b>	<b>National Ecological Observatory Network: Operations and Opportunities</b>
9:25-9:35	<b>Chandra Holifield Collins USDA ARS SWRC</b>	<b>NASA Soil Moisture Active Passive (SMAP) Validation Experiment</b>
9:35-9:45	<b>Mark Walbridge USDA ARS</b>	<b>The Long-Term Agro-ecosystem Research (LTAR) Network</b>
9:45-9:55	<b>Steve Archer UA SNRE</b>	<b>Imagining a new Long-term Ecological Research site for Arid Lands</b>
10:00-10:20	<b>Dave Christianson UA SNRE</b>	<b>Large Mammal Research on the Santa Rita and Similar Arid Land Systems</b>
10:20-10:40	<b>Shirley Papuga UA SNRE</b>	<b>Ecohydrology and Watershed Management on the Santa Rita and in the Southwest</b>
10:40-11:00	<b>Mary Nichols USDA ARS SWRC</b>	<b>How Do Channels Migrate Uphill? Observations from the Walnut Gulch Experimental Watershed</b>
11:00-	<b>Poster Introductions</b>	<b>Poster abstracts presented by poster authors</b>
11:20-1:00	<b>Poster Session</b>	
12:00-1:00	<b>Lunch w/ Posters</b>	<b><i>Provided at the meeting; included in RISE registration fee</i></b>
1:00-1:20	<b>Greg Barron Gafford, UA GEOG</b>	<b>Sensor Technologies and Unmanned Aerial Vehicles (drones) to Measure Ecosystem Processes in Semi-arid Environments</b>
1:25-1:45	<b>Guillermo Ponce- Campos USDA-ARS SWRC</b>	<b>Linking Vegetation Productivity, Climate and Grazing Activities in Southeast Arizona</b>
1:50-2:10	<b>Dave Meko UA LTRR</b>	<b>Tree-Ring Record of Hydrologic Drought in the Southwest</b>
2:15-2:35	<b>Peter Gierlach (Petey Mesquitey) KXCI Radio</b>	<b>Field Notes from the Borderlands of Southeastern Arizona.</b>
2:40-3:00	<b>Poster Awards</b>	

**RISE Organizing Committee:**

Rachel Gallery, Phil Heilman, Mitch McClaran,  
Susan Moran

[rgallery@email.arizona.edu](mailto:rgallery@email.arizona.edu)

[phil.heilman@ars.usda.gov](mailto:phil.heilman@ars.usda.gov)

[mcclaran@u.arizona.edu](mailto:mcclaran@u.arizona.edu)

[susan.moran@ars.usda.gov](mailto:susan.moran@ars.usda.gov)

**Undefined Acronyms:**

ARS: Agricultural Research Service

GEOG: School of Geography and Development

LTRR: Laboratory for Tree Ring Research

NEON: National Ecological Observatory Network

SNRE: School of Natural Resources and the Environment

SWRC: Southwest Watershed Research Center

UA: University of Arizona

USDA: United States Department of Agriculture